



*Update on DOE's
Small **B**usiness **I**nnovation **R**esearch (SBIR)
and Small Business **T**echnology **T**Ransfer
(STTR) Programs*

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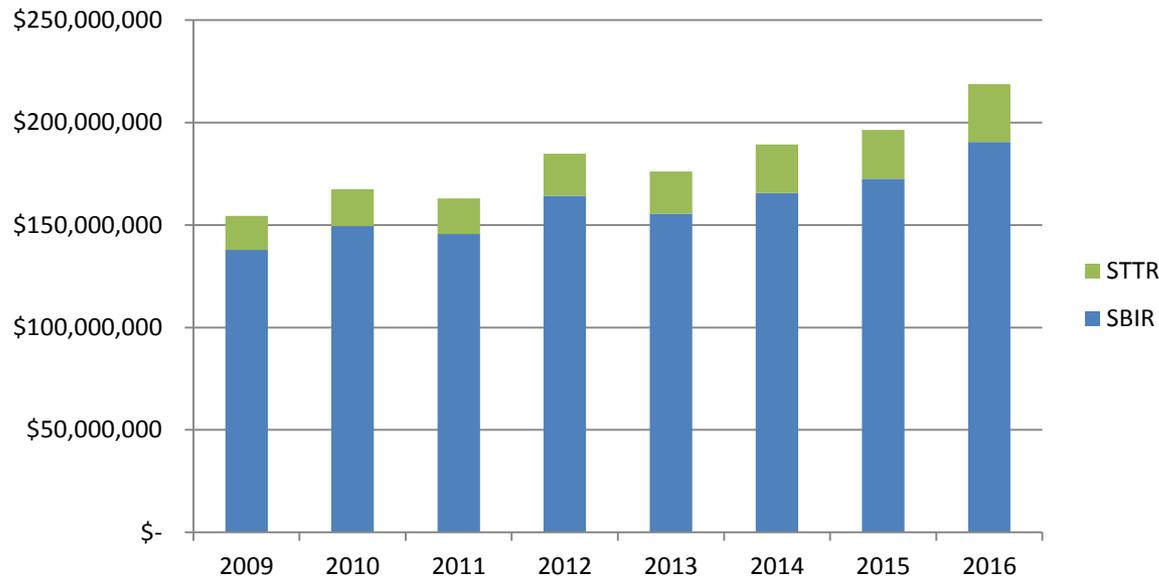
**DOE-NP SBIR/STTR Exchange Meeting
August 10, 2016**

SBIR/STTR Funding

- Allocations for SBIR & STTR programs have continued to increase and will do so through September 30, 2017 by statute

	<i>FY11</i>	<i>FY12</i>	<i>FY13</i>	<i>FY14</i>	<i>FY15</i>	<i>FY16</i>	<i>FY17</i>
SBIR	2.5%	2.6%	2.7%	2.8%	2.9%	3.0%	3.2%
STTR	0.30%	0.35%	0.35%	0.40%	0.40%	0.45%	0.45%
Combined	2.80%	2.95%	3.05%	3.20%	3.30%	3.45%	3.65%

- However, DOE SBIR/STTR funding will vary with appropriation levels



Phase I Funding Opportunity Announcements

Participating DOE Programs (FY 2017)

Phase I Release 1

- Office of Advanced Scientific Computing Research (ASCR)
- Office of Basic Energy Sciences (BES)
- Office of Biological and Environmental Research (BER)
- **Office of Nuclear Physics (NP)**

Phase I Release 2

- Office of Defense Nuclear Nonproliferation (NA)
- Office of Electricity Delivery and Energy Reliability (OE)
- Office of Energy Efficiency and Renewable Energy (EERE)
- Office of Fossil Energy (FE)
- Office of Fusion Energy Sciences (FES)
- Office of High Energy Physics (HEP)
- Office of Nuclear Energy (NE)



Schedule: FY 2017 Phase I, Releases 1&2

Phase I FOA Schedule	Release 1	Release 2
Topics Issued	July 18, 2016	October 31, 2016
Topic Webinars	Week of July 25, 2016	Week of November 7, 2016
Funding Opportunity Announcement Issued	August 15, 2016*	November 28, 2016
FOA Webinar	August 23, 2016	December 2, 2016
Letters of Intent Due	September 6, 2016	December 19, 2016
Full Applications Due	October 17, 2016	February 7, 2017
Award Notification	January 9, 2017*	May 1, 2017*
Grant Start Date	February 21, 2017	June 12, 2017

**preliminary dates subject to change; do not release these dates to the public*

DOE Phase 0: www.dawnbreaker.com/doephase0/
 DOE Phase I Application Help: www.doesbirlearning.com

} **New!**

Schedule: FY 2017 Phase II, Releases 1&2

Phase II FOA Schedule	Release 1	Release 2
Funding Opportunity Announcement Issued	October 24, 2016	February 13, 2017
Letters of Intent Due (Supplemental Phase II only)	November 14, 2016	March 15, 2017
Full Applications Due	December 13, 2016	April 4, 2017
Award Notification	February 21, 2017*	June 19, 2017*
Grant Start Date	April 10, 2017	July 31, 2017

**preliminary dates subject to change; do not release these dates to the public*



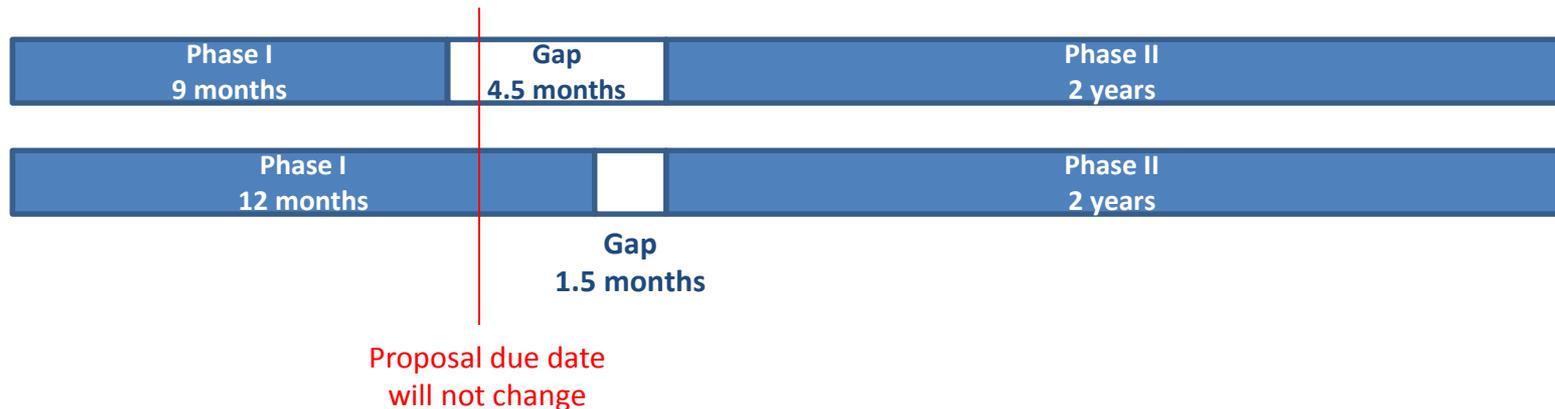
FY 2017 DOE Changes

- Phase I maximum project period increases from 9 months up to 12 months
 - Phase II applications still due at 9-1/2 months
 - Reporting Changes
 - For Phase I awards that are ≤ 9 months, there is no difference
 - For Phase I awards that are >9 months:
 - Add Phase I Progress report:
 - » Add progress report, covers first 8 months, due end of month 9
 - » Submitted in lieu of Phase I Final Technical report (1) as progress report and (2) as attachment to Phase I Final Technical Report
 - Review of Phase I Final Technical Reports
 - » Program manager must approve Phase I Final Technical Report prior to start of Phase II award.
- Ownership
 - SBC's majority owned by multiple VC's not eligible
 - At time of award AND submission
- IP Protection
 - Trade Secrets, Commercial, or Financial Information
 - Proposal marking – 3 ways
- Sequential Phase II Awards
 - Technical Narrative and Evaluation
- No More Fast-Track



Increase Maximum Phase I Project Period from 9 to 12 months

- How does this reduce the gap?
 - Phase II proposals will be due after 9.5 months (similar to our current schedule)



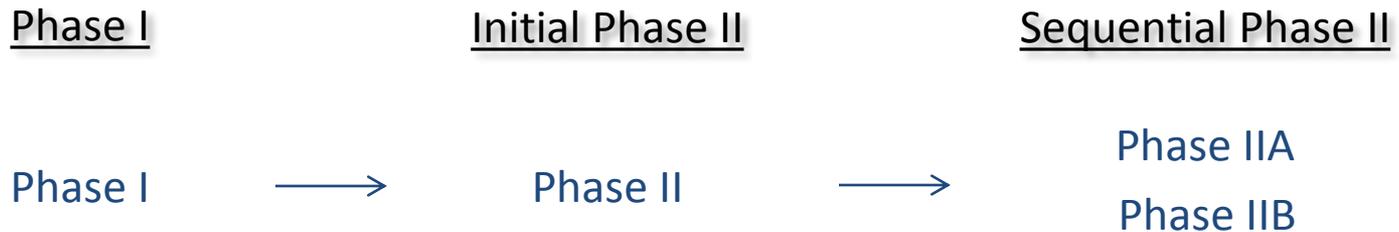
- Essentially this will enable Phase I awards to have a built-in 3 month no fund extension
 - > 10% of Phase I awards already receive no fund extensions
- Note that applicants may still elect to have Phase I project periods of 6-9 months and complete their Phase I project prior to submitting an application.

Sequential Phase II

- SBIR/STTR Reauthorization Act of 2012 permitted agencies to issue sequential Phase II awards
- 15 USC 638
 - (ff) Additional SBIR and STTR awards.
 - (1) Express authority for awarding a sequential Phase II award. A small business concern that receives a Phase II SBIR award or a Phase II STTR award for a project remains eligible to receive 1 additional Phase II SBIR award or Phase II STTR award for continued work on that project.
- Only DOE Phase II awardees are eligible
- Only 1 additional Phase II award may be made per Phase II project
- We anticipate no changes with pending reauthorization



Sequential Phase II



- Awards
 - “Phase II” denote Initial Phase II awards
 - “Phase IIA” and “Phase IIB” denote Sequential Phase II awards
- Funding Opportunity Announcement
 - Both initial and sequential Phase II awards are sought via the “Phase II” Funding Opportunity Announcements

Motivation: Phase IIA

- Some prototype, product, or process R&D efforts require more time and funding than available with a single Phase II award
 - DOE Program managers will select the topics/subtopics for which Phase IIA applications will be accepted
- Historically such projects required small businesses to complete two or more Phase I/II cycles to complete their R&D
- Phase IIA awards will start almost immediately upon completion of the Phase II award

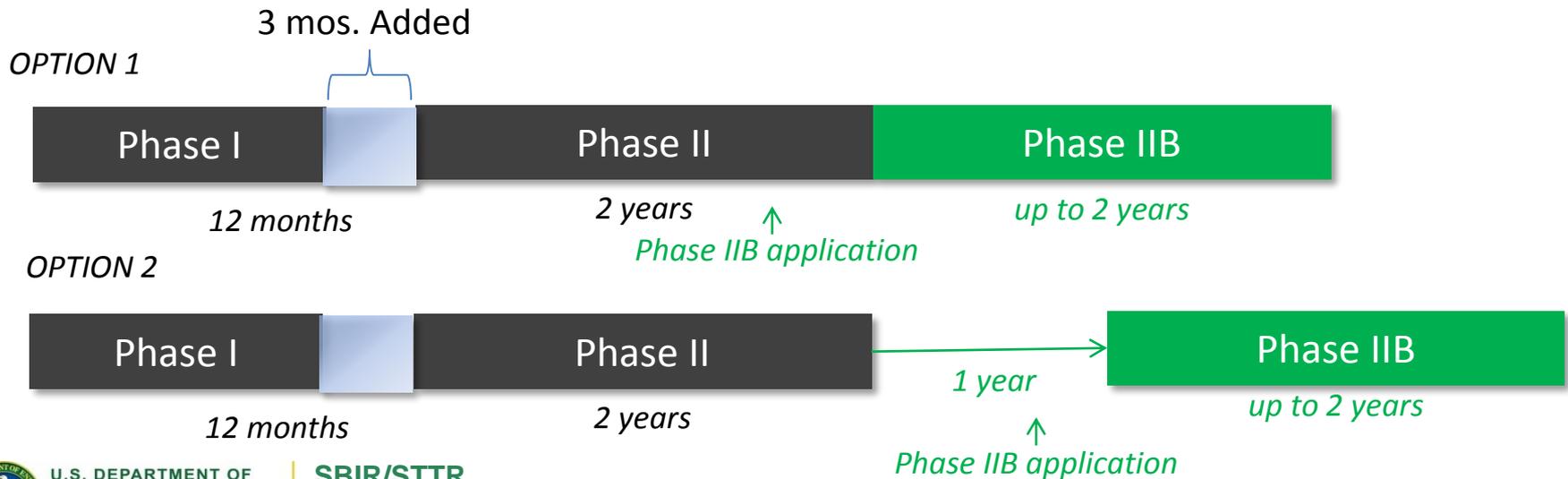


Phase IIA

- Eligibility Criteria
 - DOE program managers select which topics and subtopics that received Phase II awards (two years ago) are eligible to apply
- Review Criteria
 - The review criteria for Phase IIA is largely identical to that for initial Phase II with the following difference:
 - Phase IIA: Phase I & II project performance is reviewed
 - Initial Phase II: Only Phase I project performance is reviewed
- Technical Narrative - NEW
 - Must include a section clearly explaining (1) R&D originally proposed in the initial Phase II and (2) how the Phase IIA R&D completes what was originally proposed in Phase II
 - Proposal evaluated to determine consistent R&D goal

Motivation: Phase IIB

- After successfully completing Phase II R&D, some projects may require R&D funding to transition an innovation towards commercialization
- DOE is utilizing Phase IIB to increase the number of positive commercialization outcomes resulting from Phase II awards
- Phase IIB awards will start almost immediately after completing a Phase II or up to 1 year later



Phase IIB

- Eligibility Criteria
 - Those firms that received Phase II awards in FY 2014 and 2015 are eligible to apply **AND** if your Initial Phase II topic is selected by a DOE program manager
- Technical Narrative must include:
 - The R&D that was originally proposed in Phase II and how successfully completed
 - How the proposed Phase IIB builds upon that success and enhances commercialization



Phase IIB

- Review Criteria

- The weighting of the review criteria is different than an Initial Phase II and IIA to reflect the greater importance placed on impact:

Award	Strength of the Scientific/Technical Approach	Ability to Carry Out the Project in a Cost Effective Manner	Impact
Phase II, Phase IIA	1/3	1/3	1/3
Phase IIB	1/4	1/4	1/2

- Applicants are strongly encouraged to include **Phase II Funding Commitments** and **Phase III Follow-on Funding Commitments** in their applications.
 - These will receive significant emphasis in the evaluation of impact.



Funding for Phase IIA & IIB Awards

- Maximum Award Amount
 - \$1,000,000, up to 2 years
 - Award amounts and duration require justification
 - Justification for budget split of other than 50/50 between years 1 and 2



Sequential FAQs

- If I'm eligible for both Phase IIA and Phase IIB, can I apply for both?
 - NO, you may submit only one sequential Phase II application per Phase II project
- If I apply for a Phase IIA award this year and do not receive an award, may I apply for a Phase IIB next year?
 - YES
- If I receive a Phase IIA award, will I be eligible to receive a Phase IIB award in the future as I transition to commercialization?
 - NO, you may receive only one sequential Phase II award per Phase II project



No Fund Extensions and Sequential Eligibility

- Eligible Phase II grantees must successfully complete their Initial Phase II grants to be eligible to receive a Sequential Phase II
 - Phase IIA: The initial Phase II should be completed on schedule
 - Phase IIB: Applicants requiring a no fund extension (up to 1 year) should apply during the second application window



Reauthorization News

- Current SBIR and STTR programs authorized through September 2017
- March, April, and May 2016
 - Flurry of bills, amendments, and mark ups introduced by the House and Senate (H.R. 4783, S 2812, etc.)
 - Increasing commercialization assistance funding
 - Extending the Administrative Fund
 - Included assistance with product sales, IP protection, MR and validation
 - Nothing passed
- August 2016
 - No updates
 - House Science Committee held hearings, including agency reps. and SBCs
 - Optimistic Outlook



FY 2016 Phase II Awards

Category	Applications	Awards	Award Rate
Initial Phase II	268	131	48%
Phase IIA	18	7	39%
Phase IIB	51	15	29%



A bright sun is positioned in the upper left quadrant of the image, casting a soft glow across the sky. The sky is a clear, vibrant blue, and several large, fluffy white clouds are scattered throughout, particularly in the lower half. The overall scene is bright and clear.

Questions?